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(71)Applicant : CANON INC

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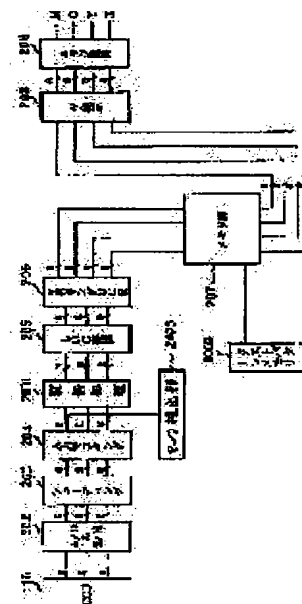
(72)Inventor : UTAGAWA TSUTOMU

(54) IMAGE FORMING DEVICE, IMAGE PROCESSING UNIT AND ITS METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To form a double-sided image with uniform density and magnification on front and rear sides of an output medium by correcting image information based on prescribed information extracted from 1st and 2nd pattern images read by a read means.

SOLUTION: Image data picked up by a CCD 116 are given to an A/D converter S/H circuit 202, in which the data are sampled and held and A/D-converted into three RGB color digital signals. The separate data of each color are given to a shading circuit 203, in which shading and black level compensation are conducted, given to an input masking circuit 204, where NTSC correction is conducted and a magnification processing circuit 2001 makes magnification processing in the main scanning direction. Then the signal is generated corresponding to a toner signal used for a printer by a masking UCR circuit 206 via a LOG transformation circuit 205 and each signal is stored in a memory 207 as image data. Then the data are corrected by a gamma correction circuit, in which the edge is emphasized and the resulting data are outputted to the printer. The image data are outputted from the memory 207 in the image forming of a test pattern memory 2002.



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